

C: APPLICATION COVER SHEET

Name: Eric Horne & Valy Steverlynck

Address: 62 Pine Street

City: Freeport

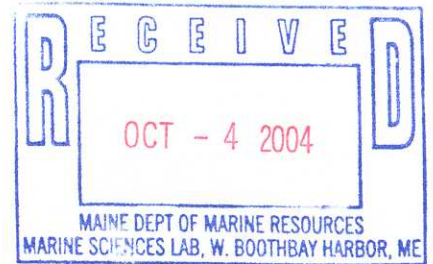
County: Cumberland

State, zip: Maine, 04032

Telephone: Business/home: (207) 865-9840

Email addresses: ericLhorne@hotmail.com & vsteverlynck@hotmail.com

Date of Pre-application meeting: 10-13-04



Accepted as Complete 10/18/04

<u>Town</u>	<u>County</u>	<u>Waterbody</u>
Location of lease site: Yarmouth/Freeport	Cumberland	Cousins River

Total acreage requested: 3.07 acres (subject to DMR review)

Lease Term requested: 10 years

Name of species to be cultivated, common and scientific names:

American Oysters (*Crassostrea virginica*)

European Oysters (*Ostrea edulis*)


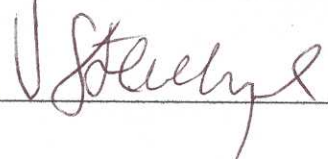
Name and address of the source of seed stock, juveniles, to be cultivated:

Marshall Point Sea Farm, LLC.
Post Office Box 285
Lobster Pound Road
Port Clyde, Maine 04855-02850
(207) 372-8443

Muscongus Bay Aquaculture, Inc.
Post Office Box 158
Bremen, Maine 04551
(207) 529-4100

Amount of application fee enclosed: \$250.00

I hereby state that the information included in this application is true and correct and that I have read and understand the requirements of the Department's rules governing aquaculture.

Signatures:  :  Date: 9/29/04

**APPLICATION FOR BOTTOM AQUACULTURE LEASE
COUSINS RIVER -- FREEPORT/YARMOUTH, MAINE**

1. SITE LOCATION

a. Vicinity Map

Appendix 1-- NOAA Chart.

b. Plan View

Appendix 1a -- NOAA chart enlargement showing entire lease boundary; mean low and mean high water marks on land nearest site; ebb and flood directions; true north; and scale.

Appendix 1b -- Lease boundaries with 1000' range circles from its perimeter.

Appendix 2 -- Metes and bounds description of the proposed lease.

2. OPERATIONS

a. Production Activities

1. We would be planting juvenile seed (1½" -2") freely on the bottom. Market-size shellfish (3+") would be harvested with a small, skiff-drawn drag. We would employ the use of a 22' skiff with a 4-stroke 40hp Honda outboard. We have found this motor to be extremely quiet and clean burning. There would be nothing suspended from the surface of the water except 7.5" acorn buoys marking the boundaries of the lease site. We anticipate harvesting/monitoring 1-2 days per week from early spring through fall. Harvested oysters would be rinsed and bagged on-site and removed with our skiff.
2. We anticipate harvesting activities to begin in April 2006. Subsequent plantings on the proposed lease would occur in November and December. Harvesting would take place annually from mid-April through mid-December. Projected production is roughly 3,000 oysters per week.

b. Noise and Light

1. We would employ the use of a 40hp Honda outboard motor. Additionally, we would use a 12" electric lobster pot hauler for harvesting.
2. This equipment would be used only during harvesting activities (see 2.a.1.)
3. The motor for our hauler is enclosed in the console of our boat and is inaudible except to those within three or four feet of its operation.
4. We do not plan to use lighting at our proposed site;
5. We do not plan to work at the site beyond daylight hours. In the early spring and late fall when days are short, it is foreseeable that we would be operating in early morning or late afternoon during limited daylight, but it is neither our intention nor desire to be on the sight beyond daylight hours.

3. ENVIRONMENTAL CHARACTERIZATION:

a. Environmental Characterization

1. Bottom characteristics: Firm clay, some mud.
2. Approximate depth at extreme low tide (-1.4): ranging from 1 foot to 4 feet.
3. Topography: The topography of the proposed lease site itself is relatively flat with gradual changes in depth within the channel. The channel runs through the center of the river. Along the edges of the channel (just outside the proposed lease area) the depth changes rapidly to near zero within just a few feet. This pronounced change in depth makes the sub-tidal channel highly visible during low tide.
4. Plants and animals: Some sea weed (*Enteromorpha*) can be found along the edges of the channel and in the upper parts of the inter-tidal flats, but there is no sea weed or eel grass in the actual channel—likely due to the swift current. Green crabs (*Carcinus maenas*) are common, as are rock crabs (*Cancer irroratus*). Upland areas have oak, maple and white pine tree stands.
5. Approximate current speed and direction: Currents both up and down the river average 1.0 to 1.5 knots. Due to the relatively shallow water, current speeds at the surface and on the bottom are the same.
6. The general shoreline and upland characteristics: The shoreline is firm mud, inter-tidal flats, and ledge. The upland area to the east of the site is wooded area. To the west are homes and a boat building facility.

4. AREA RESOURCES

a. Shellfish Beds, Fish Migration Routes and Submerged Vegetation Beds

There are inter-tidal clam beds (*Mytilus edulis*) to the east and west of the proposed lease site. Striped bass frequent the area during the warmer months. Likely due to the extremely swift current, we have not observed vegetation in the area of the proposed lease.

The shellfish growing area classification for the area of the proposed lease is Class B.

b. Essential Habitats/Endangered Species

See attached letter from the Maine Department of Inland Fisheries & Wildlife --
Appendix 2a.

5. SURROUNDING AREA USE

a. Riparian Property

1. Attached as **Appendix 3** are the appropriate tax maps for Yarmouth & Freeport (with the lease indicated).
2. Attached as **Appendix 4** are certified lists of all shorefront property owners within 1000 feet of the proposed lease area.

b. Existing Uses

1. The site is located in the mid-portion of the Cousins River. There is frequent boat traffic in the area among sport fishermen, recreational boaters, kayakers, clam harvesters and worm harvesters. Boat traffic in the vicinity of the proposed site moves in a north/south direction. Volume is heaviest during daylight hours, though some evening boat traffic likely occurs during the warmer months. This site would not impede the progress of any boat traffic in the area. For the past four years, we have held experimental leases and now a standard lease to the south of this area and have not had problems of any kind with these other user groups.
2. Other than our own harvesting activities, we would exclude dragging or raking within the boundaries of the lease to protect the shellfish. We would not exclude lobstering, crabbing or recreational fishing/boating/swimming activity.

6. TECHNICAL CAPABILITY

Attached are resumes for Eric L. Horne & Valy M. Steverlynck – **Appendices 5 & 6**, respectively.

7. FINANCIAL CAPACITY

a. Financial Capability

See attached credit line document – **Appendix 7**

b. Cost Estimates

See attached cost estimates of the planned aquaculture activities – **Appendix 8**

c. Other Lease Interests & Multiple Ownership

Eric & Valy have interests in the following aquaculture LPA's and leases in Maine:

Upweller LPA's for Seed Oysters

- Royal River, Yarmouth, Maine. 0.007 acre LPA (16' x 20'). This site is located in a boat slip at Yankee Marina;
- Harraseeket River, Freeport, Maine. 0.007 acre LPA (16' x 20'). This site is located in a boat slip at Brewer's South Freeport Marine;

Nursery Lease for Juvenile Oysters

- Maquoit Bay, Freeport, Maine. 5-acre lease held by Peter J. Horne. This site is used to grow juvenile shellfish;

Grow-Out Leases

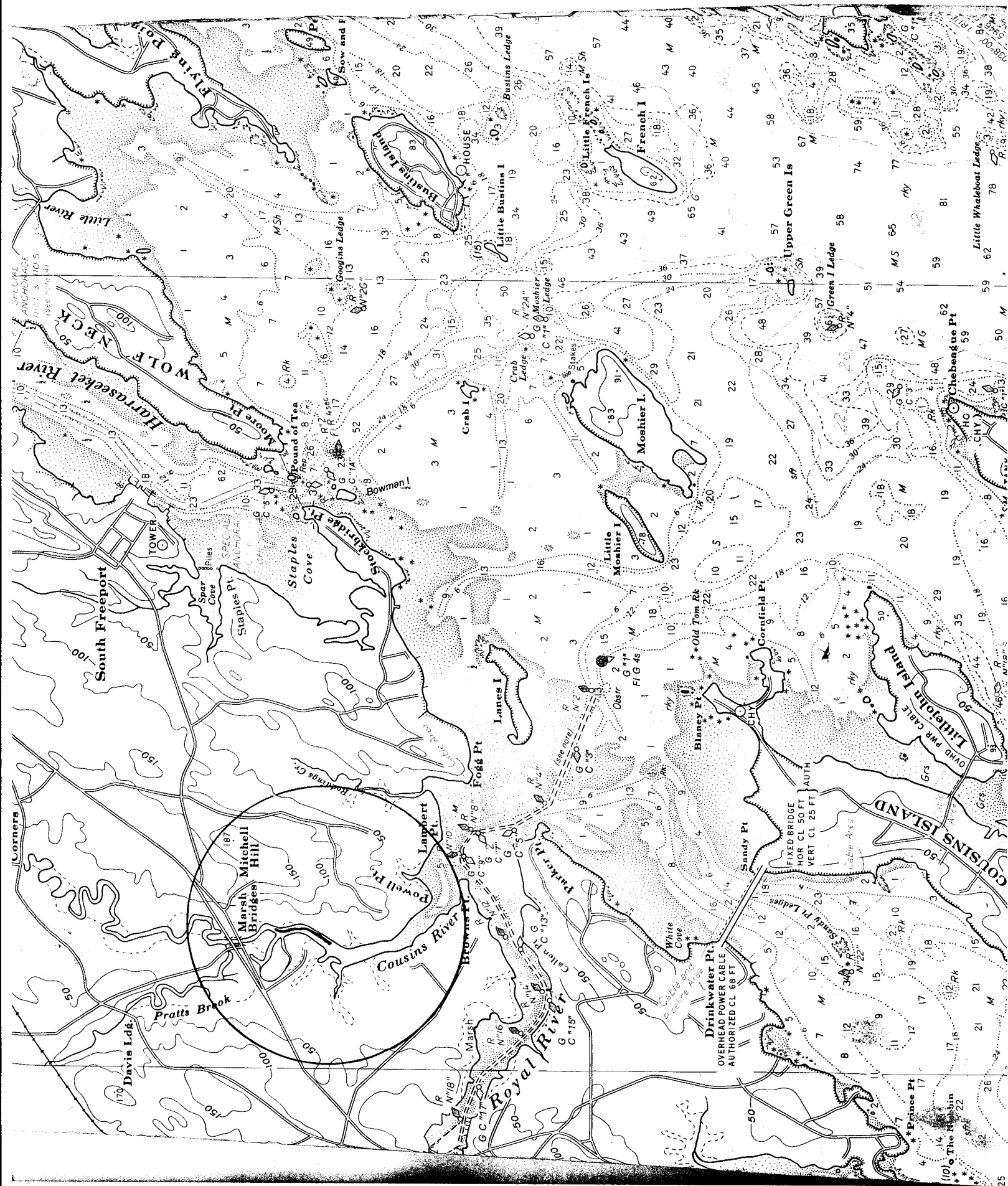
- Cousins River, Freeport/Yarmouth, Maine. 8.67 acres.
- Sheepscot River, Newcastle, Maine. 2.0-acre experimental lease (expires 1/28/06).

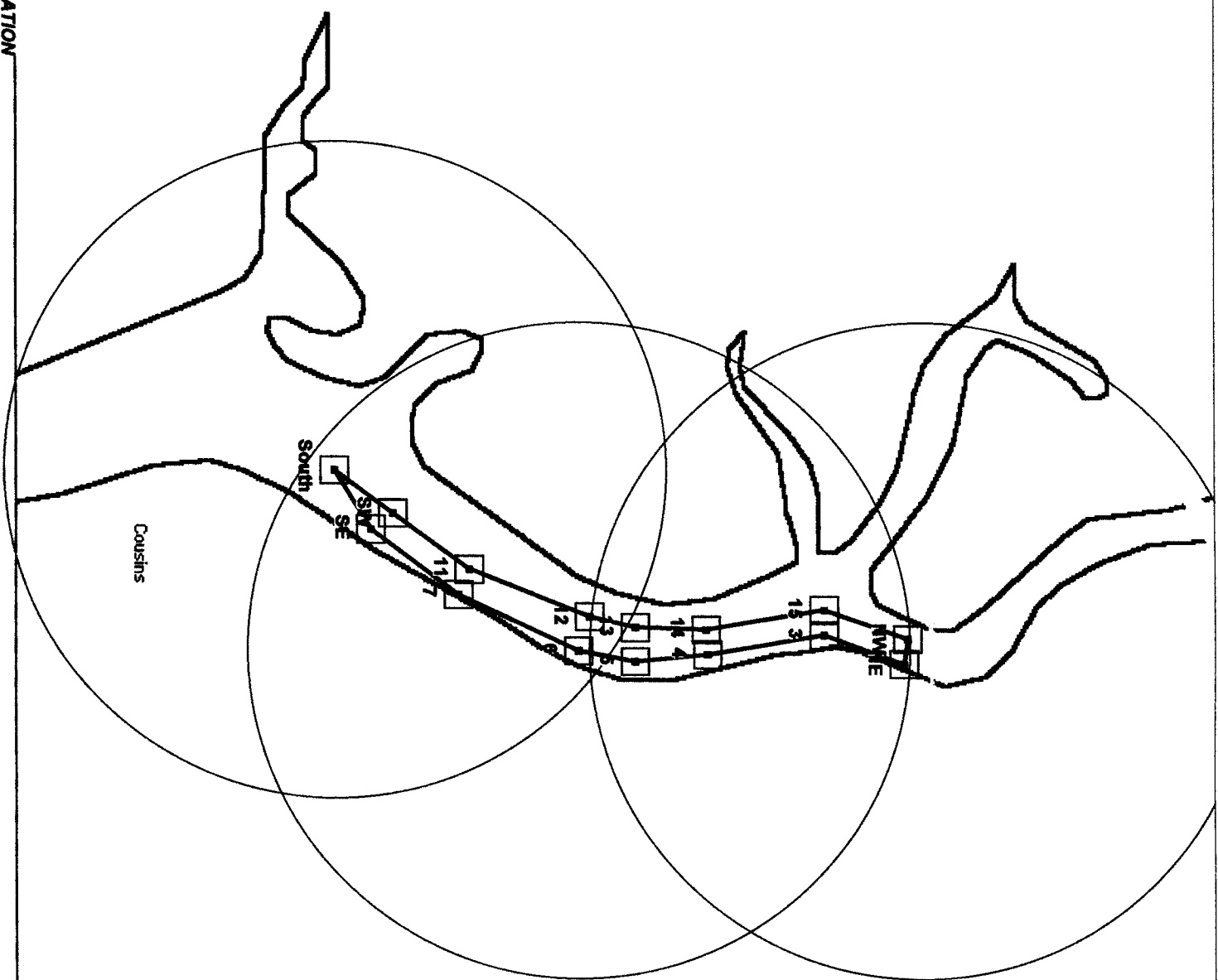
8. OTHER REQUIRMENTS

a. Escrow Account or Performance Bond

Upon issuance of the lease by the MDMR, we will open an escrow account in the amount of \$500.00 (no structure, no discharge).

Appendix 1. NOAA chart





Appendix 2: Metes & Bounds, Coordinates Upper Cousins River, Yarmouth/Freeport

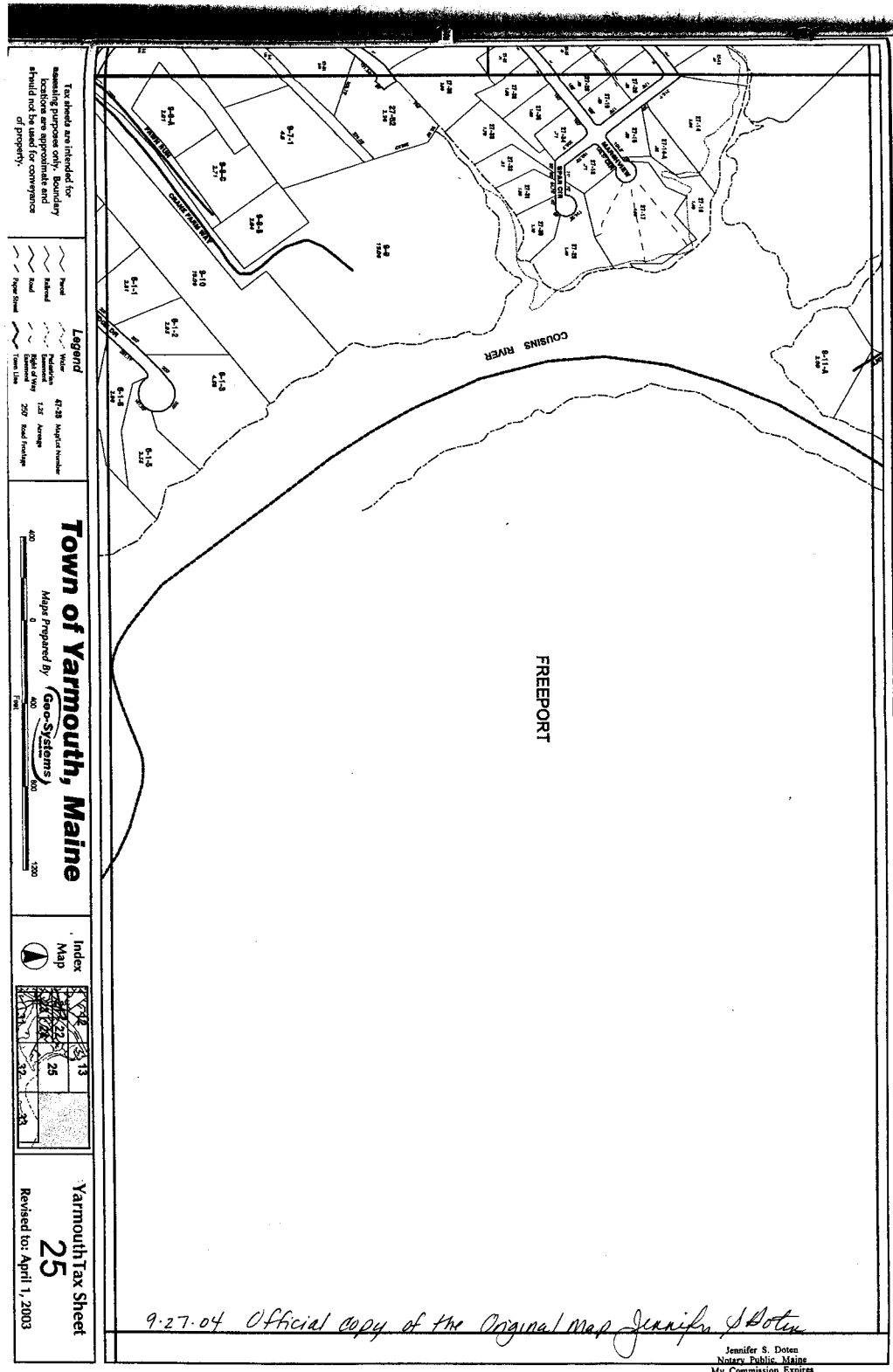
Metes & Bounds

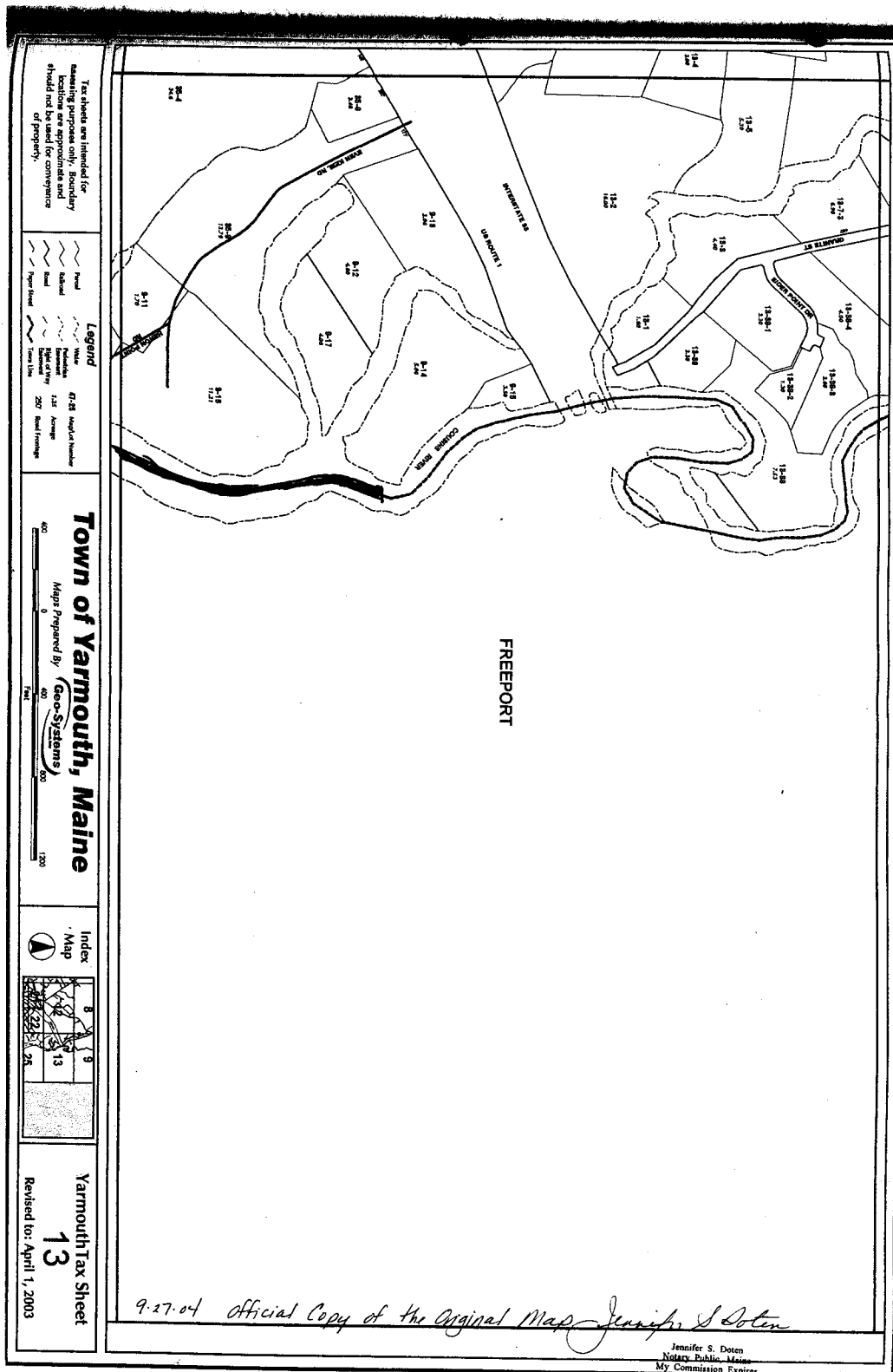
Beginning at Point NW, which is +/- 876 feet southeast (152°T) from the Route 1 Bridge.
Then running 99°T for 79' to Point NE;
then turning and running 201°T for 253' to Point 3;
then turning and running 170°T for 359' to Point 4;
then turning and running 174°T for 221' to Point 5;
then turning and running 190°T for 168' to Point 6;
then turning and running 206°T for 396' to Point 7;
then turning and running 216°T for 327' to Point SE;
then turning and running 239°T for 211' to Point South;
then turning and running 036°T for 216' to Point SW;
then turning and running 037°T for 280' to Point 11;
then turning and running 021°T for 390' to Point 12;
then turning and running 014°T for 137' to Point 13;
then turning and running 001°T for 211' to Point 14;
then turning and running 350°T for 359' to Point 15;
then turning and running 019°T for 269' back to Point NW.

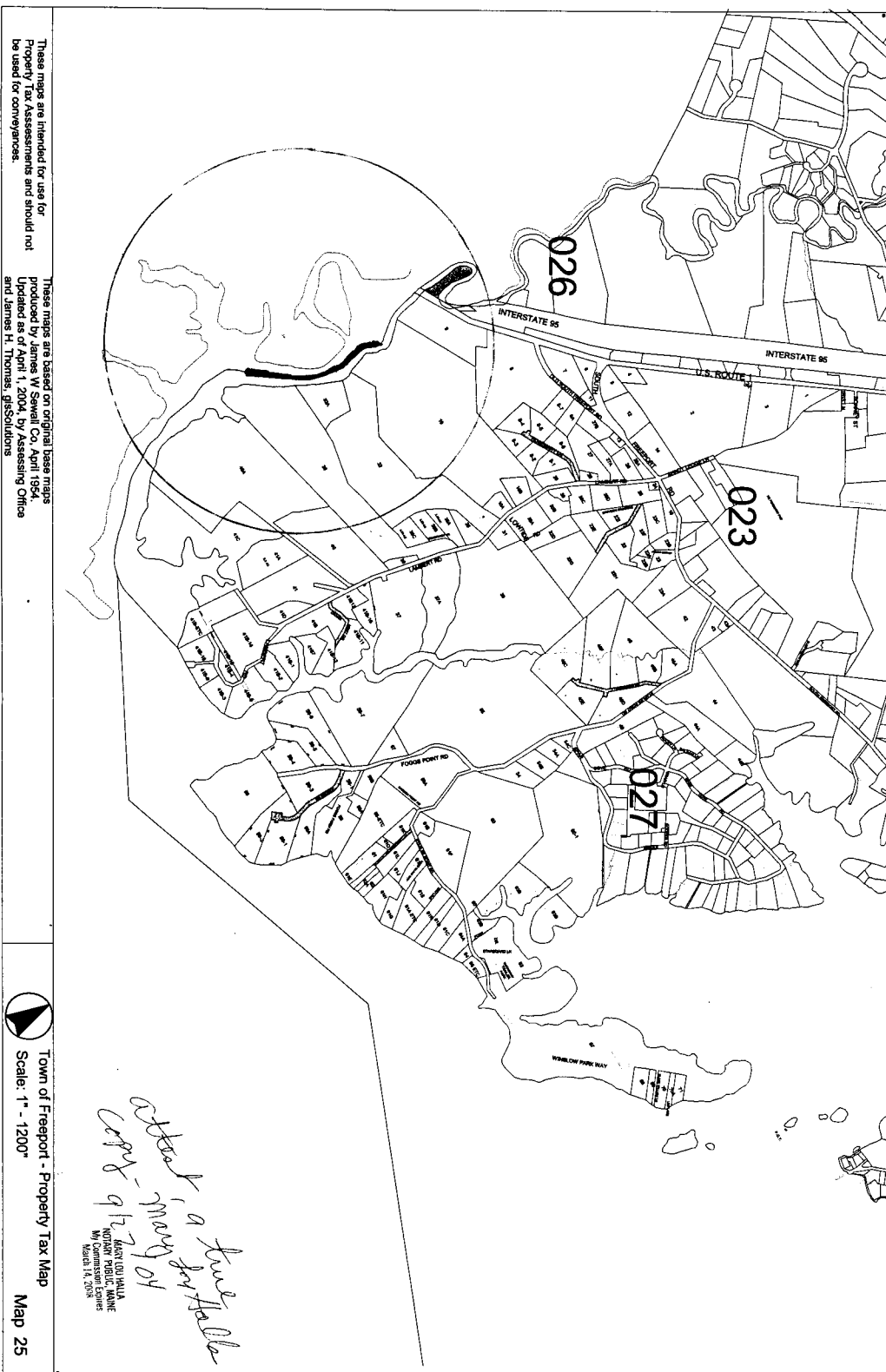
Coordinates*

NW)	43 48.615 N 70 09.123 W	South)	43 48.332 N 70 09.239 W
NE)	43 48.613 N 70 09.106 W	SW)	43 48.361 N 70 09.210 W
3)	43 48.573 N 70 09.126 W	11)	43 48.398 N 70 09.171 W
4)	43 48.515 N 70 09.112 W	12)	43 48.458 N 70 09.139 W
5)	43 48.479 N 70 09.107 W	13)	43 48.480 N 70 09.131 W
6)	43 48.452 N 70 09.115 W	14)	43 48.515 N 70 09.130 W
7)	43 48.393 N 70 09.154 W	15)	43 48.573 N 70 09.144 W
SE)	43 48.350 N 70 09.198 W		

*Subject to DMR revision







Application for Bottom Agriculture Lease
Cousins River - Freeport / Yarmouth, ME
Riparian List - Yarmouth - 04096
9-27-04

Name	Address	Map/Lot #
John + Elizabeth Kelly	139 Crane Farm Way - Yarmouth	9-9
Alexandra Destreicher	11 Heron Point - P.O. Box 668 - Yarmouth	9-11
Michael Mastronardi	P.O. Box 800 - Yarmouth	9-11A
Town of Yarmouth	P.O. Box 907 - Yarmouth	9-12
Sandra Thebeau	1269 Rt. 1 - Yarmouth	9-13
Maine Course Hospitality Group	500 Rt. 1 - Freeport 04032	9-14
Maine Course Hospitality Group	500 Rt. 1 - Freeport - 04032	9-15
Even Keel Marine	c/o Albright's Accounting 114 Spring St. - Yarmouth	9-16
Merrill + Janice Fogg	337 U.S. Rt. 1 - Freeport	9-17
Gale Ross	P.O. Box 353 - South Freeport - 04078	35-9
Howard Small	111 Route 1 - Yarmouth	35-4
Kent + Ann Mohnkern	191 Sisquisic Trail - Yarmouth	27-14
Charles + Susan Destreicher	17 Marshview Circle - Yarmouth	27-16
Susan Destreicher	17 Marshview Circle - Yarmouth	27-17
Catherine + George Kendrick	34 Spar Circle - Yarmouth	27-29
Elizabeth Schneider	31 Spar Circle - Yarmouth	27-30
Mona Lisa Schulz	P.O. Box 452 - Yarmouth	27-31
Josh + Rebecca Mervil	21 Spar Circle - Yarmouth	27-32
Wayne + Janet Johnson	27 Abby Lane - Yarmouth	27-33

9.27.04 Verified List of owners

Jennifer S. Doten

Jennifer S. Doten
Notary Public, Maine
My Commission Expires
October 11, 2008

APPLICATION FOR BOTTOM AQUACULTURE LEASE
COUSINS RIVER -- FREEPORT/YARMOUTH, MAINE
RIPARIAN LIST - FREEPORT
SEPTEMBER 27, 2004

NAME	ADDRESS	MAP/LOT#
Steve Searle Lambert Rd. Development, LLC	6 Austrian way Calmar, ME 04105	25/10
Lois Carter	24 Lambert Rd. Freeport, ME 04072	25/32
James Hinman	P.O. Box 25019 Jackson, WY 83001	25/324
Patricia Morrison	32 Lambert Rd. Freeport, ME 04032	25/38
Charles Gould	P.O. Box 202 S. Freeport, ME 04078	25/40A
Freeport Inn - Cafe Maine Hospitality Group Cafe	500 U.S. Rt. 1 Freeport, ME 04032	25/9

attest, a true copy

Mary Lou Halla
9/27/04

MARY LOU HALLA
NOTARY PUBLIC, MAINE
My Commission Expires
March 14, 2008

Appendix 5:

Resume: Eric Horne

Eric L. Horne

60-62 Pine Street

Freeport, Maine 04032

Education

Harvard University

M.Ed. Finance & Administration

Brown University

B.A. International Relations

Oyster River High School

Experience

2000-Present

Co-Manager, Chance Along Farm, Inc.
Freeport, Maine

1998-2000

Business Consultant, Technical Development Corporation
Boston, MA

1994-1998

Middle School Teacher, 6th grade literature, Cape Cod Lighthouse
Charter School, Orleans, MA

1993-1994

Sales/Shipping Assistant for salmon farm, Salmoamerica, Puerto
Montt, Chile

Appendix 6:

Resume: Valy Steverlynck

Valy Steverlynck

60-62 Pine Street

Freeport, Maine 04032

Education

University of Wisconsin

M.A. Fine Art

Brown University

B.A. Fine Art

St. Hilda's College

Experience

2000-Present

Co-Manager, Chance Along Farm, Inc.
Freeport, Maine

1998-2000

Interior Designer, Elkus-Manfredi Architects
Boston, Massachusetts

1994-1998

Design Team Manager, Mackenzie-Childs
Ithica, New York

Appendix 7

KeyBank™ – Brunswick, Maine

Chance Along Farm, Inc., dba, Maine Oyster Farms

Cash Reserve Credit Account Details

Cash Reserve Credit

19129400xxxx

Payoff *, <i>good through 05/26/2004</i>	0.00
Credit Line	10,000.00
Available Credit Line	10,000.00
Amount of Last Payment, <i>paid on 05/26/2004</i>	1,500.00
Amount of Next Payment *	0.00
Total Interest Paid This Year	0.00
Total Interest Paid Last Year	0.76
Annual Percentage Rate, <i>as of 05/26/2004</i>	13.50%

Appendix 8: Cost Estimates*

Year One

Seed (250,000 @ \$0.10/1000)	\$ 2,500
Labor	\$ 7,500
Lease Rent	\$ 150
Insurance	<u>\$ 500</u>

Total Year One \$10,650

Year Two

Same as Year One (No harvesting costs)	\$10,650
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Total Year Two \$10,650

Year Three

Same as Year Two	\$10,650
Plus harvest costs	<u>\$15,000</u>

Total Year Three \$25,650

TOTAL PROJECT COST YEARS 1-3: \$46,950

*Note: Equipment costs are not included. Eric & Valy already have access to all necessary gear to farm the site.